

Mikos-106                      **AMENDMENT AFTER ALLOWANCE**                      07650006aa  
Amendment dated 12/27/2005                      Reply to Notice of Allowance mailed 09/29/2005

The following is a complete listing of all claims in the application, with an indication of the status of each:

**Listing of claims:**

- 1            1-13. (canceled)
  
- 1            14. (previously presented) Method to identify illumination-induced artifacts  
2            in visible light photography of ballistic items including the steps:
  - 3                      a. Produce visible and IR image sequences of the same ballistic item;
  - 4                      b. extract features from each image in each sequence;
  - 5                      c. tag as a candidate illumination-induced artifact each feature in a  
6            visible image which does not have a corresponding IR feature; and
  - 7                      d. tag dark visible artifacts as possible shadows and light artifacts as  
8            possible glint.
  
- 1            15. (original) Method of claim 14 in which spectral filters are used to tag  
2            certain artifacts as possible debris including oil, gunpowder, fingerprints.
  
- 1            16. (original) Method for distinguishing lands and grooves in visible light  
2            photography of ballistic items including the steps:

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- 3                   a. produce visible and IR image sequence of the same ballistic item
- 4                   b. extract features from each image in each sequence
- 5                   c. readjust the look-up table of gray scale allocation for the visible
- 6 image such that the resulting image most closely matches that of the IR image
- 7                   d. Display the resulting visible image which will have more
- 8 consistent appearance of lands vs. grooves.

1           17. (previously presented) Method to differentiate manufacturing marks and  
2 weapons-related tool marks on shell casings including the steps:

- 3                   a. adjust the focus on the IR camera such that the manufacturing
- 4 marks are in focus;
- 5                   b. adjust the temperature of the ballistic item such that the
- 6 manufacturing marks are most distinct from the surrounding area; and
- 7                   c. threshold the resulting image to create a template of the
- 8 manufacturing marks to be used for matching or for eliminating the marks
- 9 from that image prior to further matching.

1           18-24. (canceled)